



October 6, 2003

To: Commissioner for Patents
 P.O.Box 1450
 Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572
 28 Davis Avenue
 Poughkeepsie, N.Y. 12603

Subject:	Serial No. 10/616,268 07/09/03
	Marvin Lo
	ALUMINUM CAP WITH ELECTROLESS NICKEL/IMMERSION GOLD
Grp. Art Unit:	----

INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation
 In An Application.

The following Patents and/or Publications are submitted to
 comply with the duty of disclosure under CFR 1.97-1.99 and
 37 CFR 1.56. Copies of each document is included herewith.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
 deposited with the United States Postal Service as first class
 mail in an envelope addressed to: Commissioner for Patents,
 P.O. Box 1450, Alexandria, VA 22313-1450, on October 10, 2003.

Stephen B. Ackerman, Reg.# 37761

Signature/Date

 A handwritten signature of Stephen B. Ackerman in black ink.
 10/10/03

U.S. Patent 6,452,270 to Huang, "Semiconductor Device Having Bump Electrode," describes increased adhesion between the UBM and passivation by using a Ti UBM with a closed-loop shape.

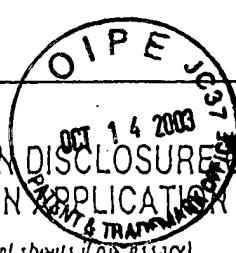
U.S. Patent 6,521,996 to Seshan, "Ball Limiting Metallurgy for Input/Outputs and Methods of Fabrication," describes a lower adhesion layer that provides good adhesion to the passivation layer.

U.S. Patent 6,426,281 to Lin et al., "Method to Form Bump in Bumping Technology," describes a passivation layer that increases the adhesion to the UBM.

Sincerely,

A handwritten signature in black ink, appearing to read "SA".

Stephen B. Ackerman,
Reg. No. 37761



lof 1

Form PTO-1449

Overseas Number (Optional)

Agreement Number

CS-02-073

10/616, 268

App. 4 cont'd

Marvin Lo

Family Date

07/09/03

Orang Ati Urai

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
						NO

OTHER DOCUMENTS (including Author, Title, Date, Portion or Pages, Etc.)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant